



IoT as a Service Research Group

IT6853 – Computer Forensics

Note: These resources were developed with the support from Affordable Learning Georgia (ALG)- Round 18, Grant#549, 2021.

Introduction

IT6853 – Syllabus – [HERE](#)

Modules

Module 1 – Introduction to Computer Forensics

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading Material](#)
5. [Additional Reading 1](#)
6. Lab A

Module 2 – Windows File System and Artifacts

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Reading #2](#)
6. [NTFS Manual](#)
7. Lab B

Module 3 – Linux File System and Artifacts

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Reading #2](#)
6. [Resources – video Inode](#)
7. [Resources – Example of Linux Forensics](#)
8. Lab C

Module 4 – Introduction to Partitions

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Reading #2](#)
6. [Resources – MBR](#)
7. [Resources – MBR GPT cheatsheet](#)
8. [Resources – Paper #1](#)
9. [Resources – Paper #2](#)
10. Quiz 1

Module 5 – Data Acquisition

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Reading #2](#)
6. [Resources – Procedure for Data Acquisition](#)
7. [Resources – Paper #1](#)
8. [Resources – Paper #2](#)
9. Lab D

Module 6 – Windows Registry

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Resources – Windows Registry Documentation](#)
6. [Resources – Paper #1](#)
7. Quiz 2

Module 7 – Web Browser Forensics

1. Study Guide
2. Slides
3. Lecture
4. Reading #1
5. Reading #2
6. Resources – Paper #1
7. Resources – Paper #2
8. Midterm

Module 8 – Network Forensics

1. Study Guide
2. Slides
3. Lecture
4. Reading #1
5. Resources – Paper #1
6. Resources – Video example
7. Resources – Network Basis
8. Lab E

Module 9 – Automating Forensic Analysis and Reporting

1. Study Guide
2. Slides
3. Lecture
4. Reading #1
5. Reading #2
6. Resources – Forensic Tools
7. Resources – Forensic Tools2
8. Lab F

Module 10 – Data/File Carving and Steganography

1. Study Guide
2. Slides
3. Lecture
4. Reading #1 – File Carving
5. Reading #2 – Steganography
6. Resources – Paper #1
7. Resources – Paper #2
8. Lab G

Module 11 – Email Forensics

1. Study Guide

2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Reading #2](#)
6. [Resources – Paper #1](#)
7. [Resources – Gmail Data For Forensics](#)
8. [Resources – PST Files](#)
9. [Resources – Email Attachment TimeStamps](#)
10. Quiz 3

Module 12 – Mobile Forensics

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Reading #2](#)
6. [Resources – Paper #1](#)
7. [Resources – Paper #2](#)
8. [Resources – Challenges Mobile Forensics](#)
9. Lab H

Module 13 – Recovering Passwords

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Resources – Password Recovery](#)
5. [Resources – Paper #1](#)
6. Lab I (Section A)

Module 14 – Log Analysis

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. Lab I (Section B)

Module 15 – Cloud Forensics

1. [Study Guide](#)
2. [Slides](#)
3. [Lecture](#)
4. [Reading #1](#)
5. [Resources – Paper #1](#)
6. [Resources – Paper #2](#)
7. Final Exam

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